

CLAIMS

We I claim:

1. A drive for track laying vehicles comprising:
an electric traction motor having a rotor;
at least one variable speed mechanical gear stage; and
at least one brake;
wherein at least one of said gear stage and said brake are arranged inside the
rotor of the electric motor and the other of said gear stage and said brake are arranged laterally
outside the electric motor so as to be arranged coaxially therewith and in substantially the same
plane.

2. The drive in accordance with claim 1, wherein said electric traction
motor further comprises an internal and external rotor.

3. The drive in accordance with claim 1, wherein said electric traction
motor is operable to allow brief operation close to a motor cut-off output.

4. The drive in accordance with claim 1, further comprising:
a first epicyclic gear unit acting as a fixed stage;
a second epicyclic gear unit driven by said first epicyclic gear unit; and
a plurality of multiple-disc clutches operably connected to said second epicyclic
gear and having an output shaft operably connected with said at least one brake;
wherein said electric traction motor comprises an external-rotor motor, and
wherein one of said first and second epicyclic gears and one of said plurality of multiple-disc

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8 clutches are arranged one behind the other in an interior region of the external-rotor motor,
9 and the other of said first and second epicyclic gears and another of said plurality of multiple-
10 disc clutches are arranged to lie outside the external-rotor motor coaxially in a plane with said
11 at least one brake in a radial direction from said external-rotor motor.

1 5. The drive in accordance with claim 1, further comprising a plurality of
2 gear stages, and a plurality of clutches, wherein at least one gear stage and at least one clutch
3 are arranged in an interior of the electric motor, and wherein at least another of said gear
4 stages and said clutches in addition to said at least one brake are arranged coaxially with
5 respect to each other in the same plane outside said electric motor.

1 6. The drive in accordance with claim 1, further comprising a plurality of
2 gear stages and a plurality of clutches, wherein two of said plurality of gear stages and at least
3 one of said plurality of clutches are arranged in an interior of said electric motor, and wherein
4 at least another of said clutches and said at least one brake are coaxially arranged in the same
5 plane outside said electric motor.

1 7. The drive in accordance with claim 1, wherein said at least one brake is
2 arranged outside the electric motor in a radial direction therefrom.